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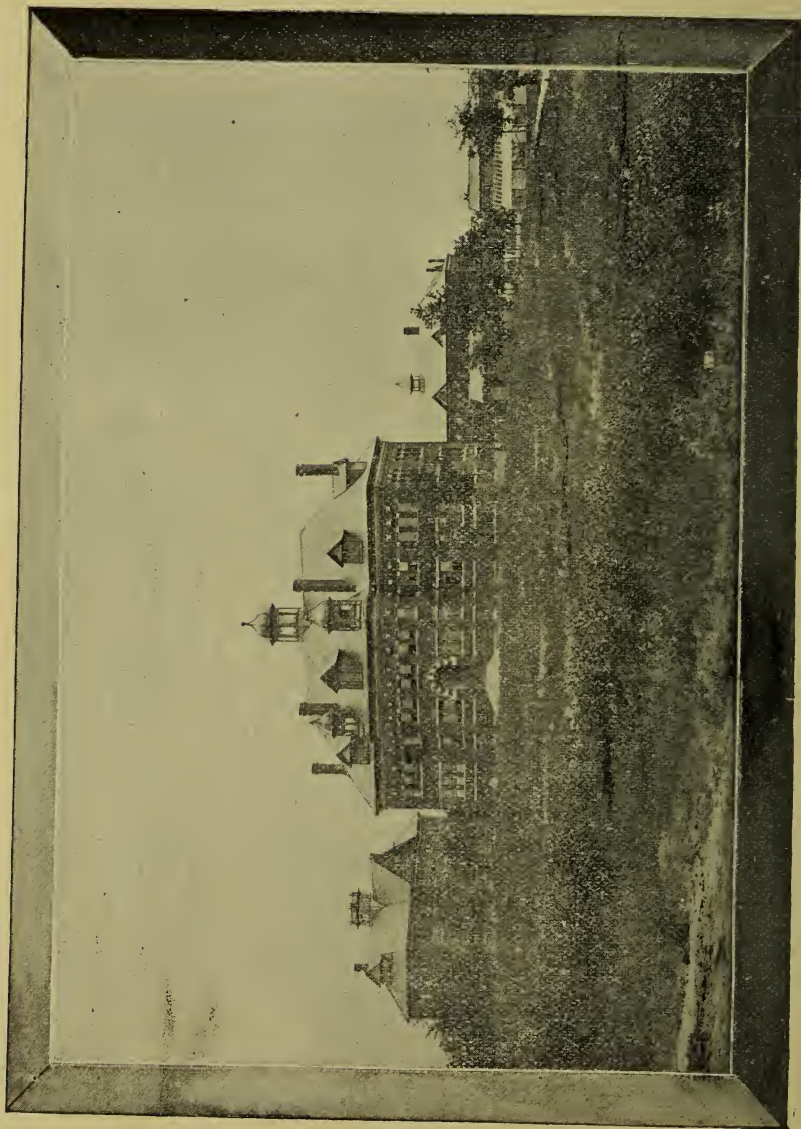
CATALOGUE, 1897

....THE....

Agricultural and Mechanical
.. College ..

....FOR THE COLORED RACE,....

GREENSBORO, N. C.



North Dormitory.

Main Building.

Mechanical Building.

THE AGRICULTURAL AND MECHANICAL COLLEGE, GREENSBORO, N. C.

THIRD ANNUAL CATALOGUE

— OF THE —

Agricultural and Mechanical College

— FOR —

.....*THE COLORED RACE*,.....

GREENSBORO, N. C.

1896-'97.

GREENSBORO, N. C.:

REECE & ELAM, BOOK AND JOB PRINTERS.

1897.

FACULTY AND OFFICERS

FOR 1897-98.

JAS. B. DUDLEY,
PROFESSOR OF HISTORY, AND TEMPORARILY IN CHARGE OF ENGLISH
DEPARTMENT, *President*.

A. T. STEVENS, B. S.,
PROFESSOR OF AGRICULTURE AND CHEMISTRY.

PROFESSOR OF ENGLISH.

ORLO EPPS,
PROFESSOR OF PHYSICS, APPLIED MATHEMATICS AND MECHANICS.

PRINCIPAL OF DEPARTMENT OF DOMESTIC SCIENCE.

J. H. M. BUTLER, A. M.,
FIRST ASSISTANT PROFESSOR OF ENGLISH, *Secretary and Librarian*.

H. H. FALKENER, B. S., A. M.,
SECOND ASSISTANT PROFESSOR OF ENGLISH, *Bursar*.

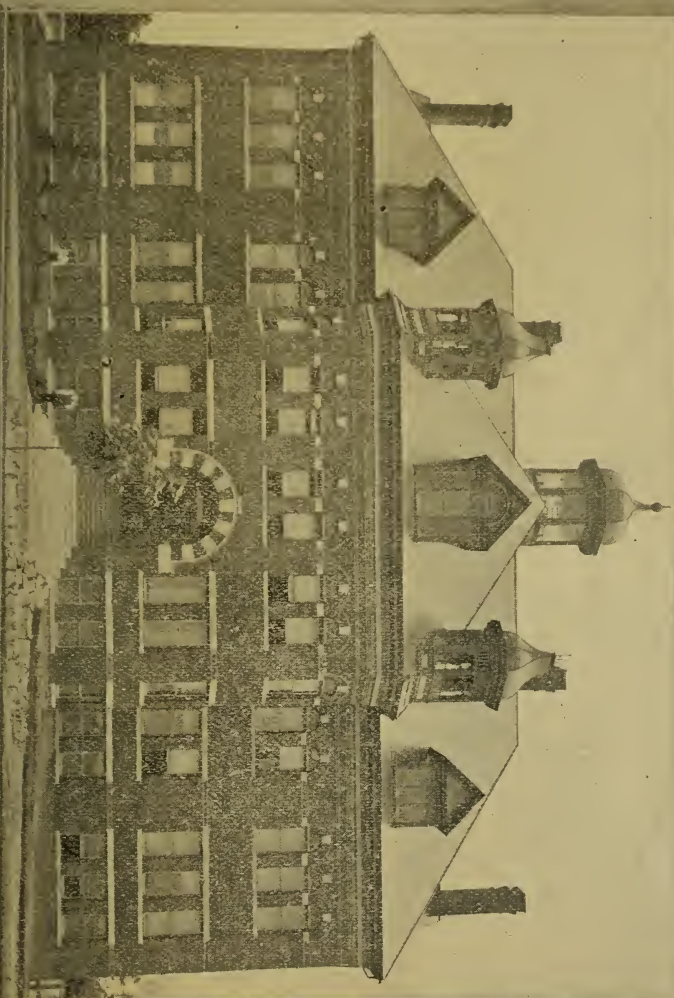
CHAS. H. EVANS,
FOREMAN OF WOOD SHOPS.

J. E. KENNEDY,
FOREMAN OF SMITH SHOP.

R. W. RICHARDSON,
ASSISTANT IN MUSIC.

JUNIUS ROOKS,
STEWARD AND FARM SUPERINTENDENT.

MRS. E. A. CHEEK,
MATRON AND ASSISTANT IN DEPARTMENT OF DOMESTIC SCIENCE.



MAIN BUILDING.

— THE —

Agricultural and Mechanical College

— FOR THE —

COLORED RACE.

—

This College was established by an Act of the General Assembly of North Carolina ratified March 9th, A. D., 1891. The leading object of the institution is declared by the Act to be instruction in practical agriculture, the mechanic arts, and such branches of learning as relate thereto.

The management and control of the College and the care and preservation of all its property is vested in a Board of Trustees, consisting of nine members, one from each Congressional District, who are elected by the General Assembly for a term of six years.

The Trustees by the Act of the Legislature have power to prescribe rules for the management and preservation of good order and morals at the College ; to elect the President, instructors and as many other officers and servants as they shall deem necessary ; have charge of the disbursement of the funds, and have general and entire supervision of the establishment and maintenance of the College.

The Board is empowered to receive any donation of property, real or personal, which may be made to the College, and have power to receive from the United States the proportion of funds given to the institution for agricultural and mechanical training.

The financial support of the College for the payment of salaries and purchase of apparatus and equipment is derived for the most part from the United States, under an act of Congress, known as the "Morrill Act," passed August 20th, 1890. This act makes an annual appropriation for each State and Territory for the endowment and support of colleges for the benefit of agriculture and the mechanic arts, to be applied "only to instruction in agriculture, the mechanic arts, the English language, and the various branches of mathematical, physical, natural and economic science, with special reference to their applications in the industries of life, and to the facilities of such instruction."

The citizens of Greensboro donated 25 acres of land and \$8,000 to be used in construction of buildings. In 1893 this was supplemented

by an appropriation of \$10,000 by the General Assembly. The main building, one of the finest school edifices in North Carolina, was completed in 1893, and the school opened in the fall of that year. A large dormitory which cost \$6,000; a complete laundry and a green house have been added.

In the summer of 1895 the Mechanical Building, a large two-story brick structure 88x119 feet, was erected at a cost of about \$9,000. This building by the expenditure of about \$7,000 has been supplied with probably the finest and most modern equipments of any school in the State.

A model barn, dairy and silo will complete the agricultural department.

Girls are admitted to the College on the same terms as "pay students." In addition to the excellent facilities offered for acquiring a good English education the young women under competent instructors are taught sewing, cooking and laundry work. The well-arranged laundry, spacious sewing-rooms, model kitchen and dining room are some of the facilities afforded for practical instruction in those branches of domestic science.

The Trustees invite the careful consideration of the colored people of North Carolina, particularly the educators among them, and leaders of thought, to the grand opportunities offered by the State and aided by the United States, to the colored youth to thoroughly equip themselves for the battle of life and prepare themselves to successfully work their way as "bread winners," and secure honorable independence, carrying with it the highest type of American citizenship. Brain and hands are here educated together.

Fully eighty per cent. of the colored people in this State live in the country, and subsist on agriculture. The future of the colored race in the South depends upon the ownership of farm lands and their intelligent and skillful treatment by colored farmers. This field will be free from competition and race feeling. Owners of large tracts of land now yielding nothing will be only too glad to rent them to the skilled farmer who graduates from an agricultural college, and also provide him with stock and implements of husbandry.

The young man who leaves this College, with honor, a good character and a well trained mind; who is familiar with science and art relating to his calling in agriculture, mechanics, or any of the trades, will not be compelled to canvass the country seeking employment. Capital will be looking for him to place him in charge of lands and stock, to handle machinery and direct unskilled labor. Where ever skilled labor is found among producers, turning the wheels of industry

that increase the wealth of the world, there will be found graduates of the Agricultural and Mechanical College.

North Carolina is an agricultural state. Her manufacturing interests are increasing in a wonderful manner ; her mineral resources are great, and the future of wealth lies in the hands of the men who will guide her plow, care for her live stock, economically use her forests, drive her machinery, harness up her water powers and manufacture her iron and other products. The men who can do this *best* will be those who will qualify themselves for the work by a course in the Agricultural and Mechanical College.

There can be no rivalry between this College and other institutions of learning for the colored race in North Carolina. The paths to be pursued lead in different directions.

The Agricultural and Mechanical College for the Colored Race is unsectarian, and is under the control of no particular denomination. Religious and moral training will receive the closest attention, and students will be required to attend churches of which they are members. Ministers of all denominations are invited to interest themselves in the religious welfare of the College.

The College, broad in its purposes, practical in its work, elevating in its influences, is intended to assist and strengthen the colored people in *all* their efforts for industrial and intellectual advancement. As such its peculiar mission must commend it to the intelligent colored men and women of the State, from whom the Trustees and Faculty confidently expect such sympathy and support as will enable them to make the College of inestimable value to the people for whom it was instituted as well as to the government by which it is fostered.

COURSES OF STUDY.**FRESHMAN YEAR.**

	FALL.	WINTER.	SPRING.
Algebra	5	5	5
English	5	5	5
Physiology.. . . .	5	3	
History	2	2	2
Farm Work	3		
Shop Work.	5	3	3
Agriculture		5	
Free Hand Drawing		2	2
Botany			5
Chemistry			3

SOPHOMORE YEAR.**FOR AGRICULTURAL STUDENTS.**

	FALL.	WINTER.	SPRING.
Geometry	5	5	5
English	5	5	5
Physics.	3	3	3
History	1	1	1
Chemistry	1	2	1
Horticulture.. . . .			5
Meteorology.			2
Agriculture and Dairying.. . . .	5		
Farm Practice and Dairy	5	5	5
Vegetable Histology.. . . .		3	

SOPHOMORE YEAR.**MECHANICAL STUDENTS.**

	FALL.	WINTER.	SPRING.
Geometry	5	5	5
English	5	5	5
Physics	3	3	3
Chemistry	1	2	1
History	1	1	1
Materials of construction	2		
Projection.	2		
Shop Work	3	3	3
Construction.. . . .		3	3
Meteorology.			2

JUNIOR YEAR.

AGRICULTURAL STUDENTS.

	FALL.	WINTER.	SPRING.
Trigonometry and Surveying	5	5	2
English	5	5	5
Analytical Chemistry	3	3	
History	2	1	1
Stock Breeding and Feeding	5		
Farm and Dairy Practice	5	5	5
Geology		3	
Horticulture and Landscape Gardening			5
Entomology			3
Agricultural Chemistry			5

JUNIOR YEAR.

MECHANICAL STUDENTS.

	FALL.	WINTER.	SPRING.
Trigonometry and Surveying	5	5	2
English	5	5	5
History	2	1	1
Chemistry (Blow Pipe)	3	1	
Designing	3	3	5
Shop Practice	3	3	3
Mechanics		3	3
Physical Laboratory		2	3
Geology		3	

SENIOR YEAR.

AGRICULTURAL.

	FALL.	WINTER.	SPRING.
Botany—Plant diseases	5		
Veterinary Science	5	5	
English Reviewed	5	5	5
Philosophy of History	1		
Agriculture		5	
Political Economy		2	
Horticulture			5
Quantative Analysis			5
Psychology	5	5	5
International Law			
Philosophy			
Thesis			

MECHANICAL.

	FALL.	WINTER.	SPRING.
History of Architecture	3	3	
Steam Engineering	2		
Designing	2	2	
Mechanical Laboratory	2	2	
Electric Motors		2	
English Reviewed	5	5	5
Political Economy		2	
Professional Practice			3
Shop Accounts and Management			2
Economic Geology } Elective	5	5	5
Economic Botany }			
Thesis			1

WOMEN'S COURSE.

FRESHMAN YEAR.

	FALL.	WINTER.	SPRING.
Algebra	5	5	5
English	5	5	5
Physiology	5	3	
History	2	2	2
Domestic Science—Cooking	3	3	
Free Hand Drawing		2	2
Chemistry			3
Botany			5
Music	2	2	2

SOPHOMORE YEAR.

	FALL.	WINTER.	SPRING.
Geometry	5	5	5
English	5	5	5
Physics	3	3	3
Chemistry		2	
Agriculture and Dairying		5	
Vegetable Histology		3	
Horticulture			5
Meteorology			2
Plain Sewing	3		
Cutting and Fitting		2	
Dairy Work		2	2
Music	2	2	2

WOMEN'S COURSE**JUNIOR YEAR.**

	FALL.	WINTER.	SPRING.
English Literature	5	5	5
Analytical Chemistry	3	3	
History	2	2	2
Horticulture and Landscape Gardening			5
Geology		3	
Entomology			3
Household Economy	5		
Dairy Work		3	
Millinery	2		
Elective	3	3	3
Music, Vocal	2	2	2

WOMEN'S COURSE.**SENIOR YEAR.**

	FALL.	WINTER.	SPRING.
Botany—Plant Diseases	5		
English	5	5	5
Logic	5		
Ethics		3	
Political Economy		2	
Agricultural Poultry	3		5
Horticulture			5
Psychology		2	1
History of Architecture	3	3	
Zoology		3	
Music	2	2	2
Thesis			2

DEGREE IN COURSE.

The degree of Bachelor of Science will be conferred upon students who complete any one of the foregoing courses and sustain all the examinations in the same.

DEPARTMENT OF AGRICULTURE.

PROF. A. T. STEVENS, B. S.

AGRICULTURE.

In the Freshman year the work of all the students is the same. At the beginning of the Sophomore year each student makes choice of the course of study best suited to his plans for the future.

The study of Agriculture is not confined to the lecture-room alone, but all class-room instruction will be supplemented with the practice of the principles thus laid down, either in the field, dairy or with live stock, so far as equipment will permit.

FRESHMAN.

In the winter term of the Freshman year there will be forty-five lectures on the history, development, and characteristics of the most prominent breeds of domestic animals.

SOPHOMORE.

In the fall term of the Sophomore year, for the first five weeks, lectures will be given on the soil; its nature, cultivation, methods of drainage, together with farm crops, tools, methods, and the production and application of manures, also soil moisture and its conservation.

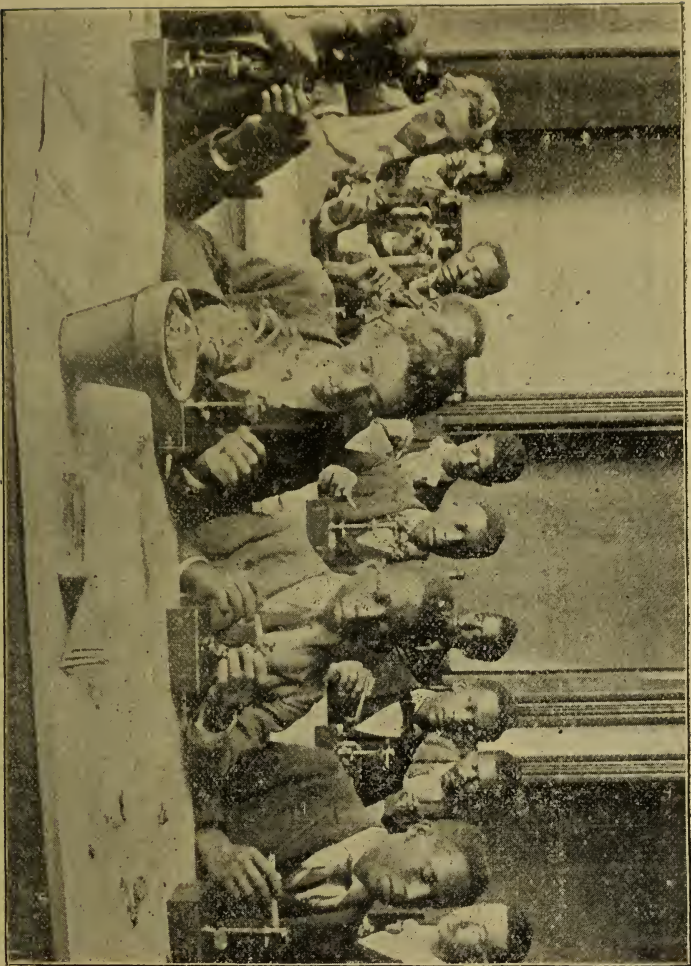
The remainder of the term will be used to study dairying, including care and selection of dairy animals, bacteriology of the dairy, together with best methods of making gilt-edge butter and the use of the Babcock test and cream separator.

JUNIOR.

The first half of the fall term will be occupied with lectures in the problems of stock-breeding, including the influence of heredity, selection, breeding, variation, environment, habit, crossing, together with methods of grading up the live stock of the farm, as well as pure breeding, &c.

The last half of the term will be devoted to stock-feeding, with reference to the production of fat, labor, or milk and the individuality of the animal, together with nutrition and digestibility of farm crops and foods.

In the winter term of this year the Juniors will spend two hours a day for two days each week in dairy practice, handling cream, making and packing butter and such other topics as lead up to making and marketing first-class butter.



BOTANY CLASS.

SENIOR.

In the winter term of the Senior year will be given a course of lectures, five days each week, on farm management, farm fences, and farm book-keeping and such other topics as will equip a young man to successfully manage farms.

GRADUATION.

Students graduating from the Agricultural course will be required to submit a thesis on some agricultural or horticultural topic in which they have made special investigation under the direction of the head of the department to which the subject belongs, before a diploma of graduation will be given.

HORTICULTURE.

As some knowledge of the nature of plants is deemed necessary before horticulture is taken up, the subject has been deferred till the Sophomore year.

In the spring term of the Sophomore year forty lectures will be given, discussing various fruits and vegetables, the preparation of the soil for fruit, soils adapted to various fruits, localities and the influence of the form of the same, together with cultivation, propagation, marketing, and care of fruit.

Class-room work will be supplemented by work among the fruits and vegetables by the class during this term.

During the spring term of the Senior year those seniors electing horticulture will have forty hours which will consist of lectures, laboratory and field work. The lectures relate to disease and insect injuries to fruits and vegetables, their cause, prevention and treatment. The work in the laboratory will be with the compound microscope, studying plant diseases with chemicals and other apparatus, compounding and applying insecticides and fungicides.

A portion of this term will also be devoted to the study of green-houses, especially the commercial green-houses, their construction and management.

LANDSCAPE GARDENING.

During the spring term of the Junior year forty lectures or exercises in the study of landscape art, will be given. This will be presented with especial reference to the use of nature's nearest, most economical materials. Among other topics will be the subjects of walks, drives, arrangement of trees and shrubbery, flower beds and the use of aquatics. Summer houses, their place, the building of, etc., will all receive proper attention.

BOTANY.

The Freshman class will, during the spring term, study structural botany for five days in each week, one hour per day.

The student begins with the simplest form of life, and step by step studies the source of life; the end to be attained by the plant; through what means that end is reached. In the treatment of this subject the observing and reasoning faculties are brought into work through the study of plants, plant kingdoms, arrangements, modifications, etc.

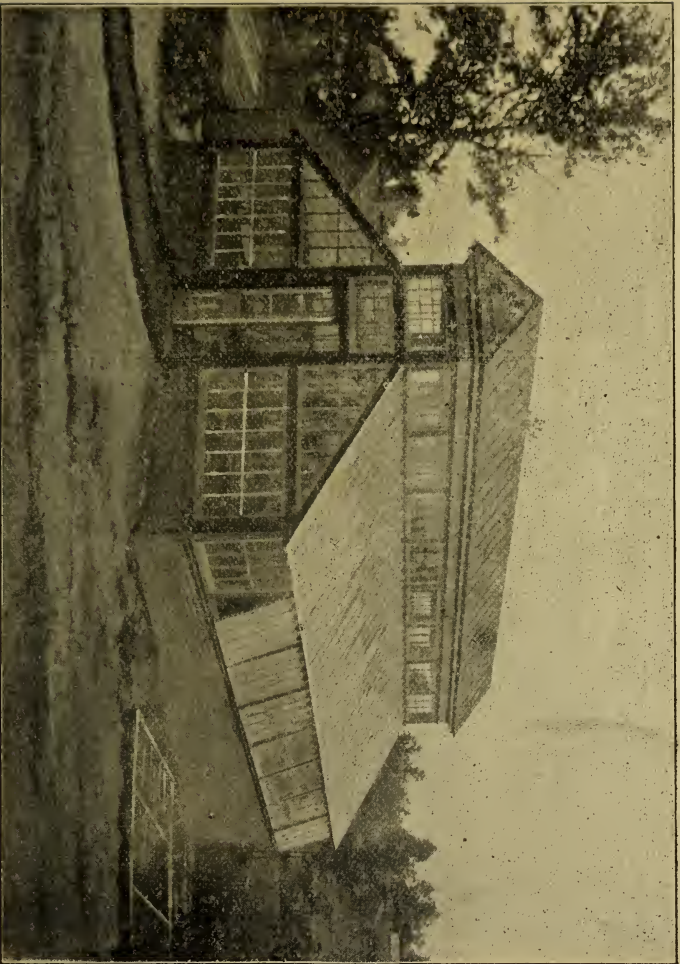
The student is taught the use of the simple microscope, and by use of it will observe the different part of plants, become familiar with their names, relations and uses. He is taught to rely on his own thoughts and draw his own conclusions.

SOPHOMORE YEAR.

During the winter term, for three days each week and two hours per day the student will study with the compound microscope, the physiology of plants; including cell contents, color bodies, starch, crystals, etc. The student will be taught to prepare with his own hands, sections for the work and then to place drawings on cards showing as accurately as possible what he has seen and then explain more fully by accompanying notes, being concise in his statements.

SENIOR.

Those who elect botany in this year will spend two hours a day for five days a week of fall term in studying lower plant life; their nature; methods of multiplication, their growth. Parasitic fungi will receive especial attention. Students will be required to make cultures, also collections of fungi before completing the study, thus educating both the hand, the eye and the mind.



GREEN HOUSE.

DEPARTMENT OF MECHANICS AND PHYSICS.

PROF. ORLO EPPS,

C. H. EVANS, }
J. E. KENNEDY, } Assistants.

“There are two most valuable possessions which no search warrant can take away, nor reverse of fortune destroy. They are what is put into the brain, knowledge, and into the hand, skill.”

The work in this department is designed to give the student such a combination of knowledge and skill that he may be something more than an ordinary mechanic or an impracticable theorist.

From the beginning of the Freshman year the time is divided between the lecture room, drafting rooms, and shops. Students will be given an opportunity of visiting the various manufactories in and around Greensboro, and every lecture and exercise will be illustrated as far as possible, and the practical applications pointed out.

The graduate of this department will be able to enter upon any special line of work, pertaining to mechanics that he may choose, and will have a good chance of excelling in his line.

It is recognized at the outset that a knowledge of how to make and read drawings is necessary to success in mechanical work, and further that both practical knowledge and mathematical science are necessary in preparing any reliable drawing or interpreting the same. The course as laid down is designed to make the student familiar with either machine shop practice, or building design and construction.

An important feature of the department is the mechanical training arranged for the students in the course in agriculture. It is intended to make the farmer largely independent of the tradesmen to whom much of his profits annually go, and to enable him to operate modern farm machinery successfully.

EQUIPMENT,

This department is well equipped for the work in hand and other machinery will be added from time to time as required.

The department building is a substantial modern structure, two stories and basement. On the first floor is the wood-working shops, machine shop, model room, laboratory and the chemical laboratory; in the basement of the rear wing is the smith shop, and adjoining this is the boiler and engine rooms. The office, lecture-room, apparatus-room, reading-room and drawing-rooms are on the second floor.

The equipment in the physical department consists of an Atwood's machine, air pump and accessories, port Lummere for projection, variety of batteries, and electrical instruments, compound microscope, balances, pulleys, pumps, sonometer, and a general assortment of apparatus for lecture table.

The lecture-room can be made dark at a moment's notice and the sunlight used to illustrate on a permanent screen. Water and power are at hand for use, also gas. A dark room is fitted up for photographic use and for experiments requiring it.

In mechanics, a full collection of materials of construction will be provided so that students can study them from observation as well as from text. A museum of models in mechanism and construction has been begun and will be added to as required. A reading-room is provided in the building, well supplied with books of reference and technical journals. This is open at all times to the students. The equipment in drawing consists in tables, drawing-boards and T squares. Students will provide themselves with instruments, which will be arranged for at lowest rates; also paper, pencils, ink, etc.

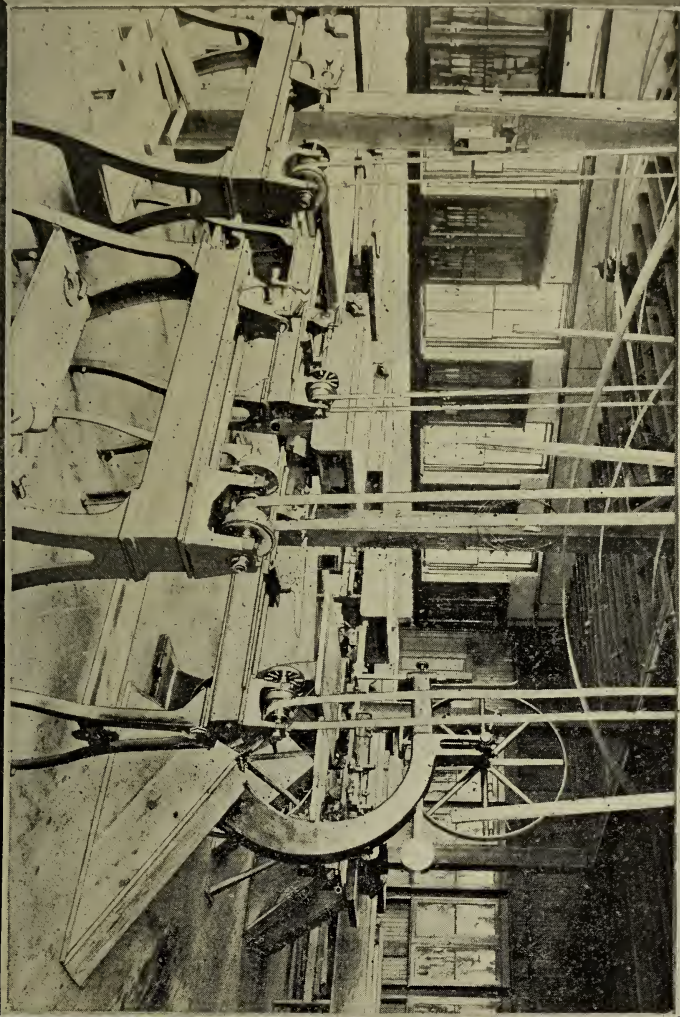
In freehand drawing a full set of models and a sufficient number of tables is provided. Alcoves are arranged for teaching shading, and the rooms are well lighted and heated.

The wood-working shop is equipped with twelve double benches, provided with patent vises and stops, twenty-four complete sets of joiners and wood-turners' tools. Each set is arranged in a neat wall case, having a glass door and combination lock. Each student in wood-working has a set of tools and is responsible for them. There is also a large case of tools for the instructor and for general use. The shop is also supplied with a 36-inch band saw, a surface planer, a universal wood-worker with attachments for sawing, ripping, dadoing, jointing, tenoning and boring, a swing-saw, a patent-maker's lathe, six small turning lathes, an emery wheel and grind stone.

The machine shop is equipped with lathe, shaper, drill press, vises, test plates and a full assortment of hand tools.

The forge shop is equipped with twelve patent downdraft, Buffalo forges, each having an anvil, sets of tongs, flatters, fullers, etc., also slack tub and coal box. The blast for the forges is supplied by a 40-inch fan, placed in the corner of the shop, and connected to the main shaft. The smoke is exhausted by the same fan, and forced out above the roof. There is also one portable hand forge for use when the machinery is not running. Two work-benches, supplied with vises, stock and dies, taps, files, etc., also a mandrell, sledges and leather aprons complete the equipment in this shop.

The power plant consists of a 30 horse-power Root tubular boiler of



CARPENTER SHOP.

latest design, and a 35 horse-power Skinner automatic engine of the latest model, and with all modern improvements. These are installed in the very best manner, and are the best to be had of their kind.

The boiler is fed by a steam pump, the water being heated by exhaust steam before it reaches the boiler. The exhaust from the engine is purified and sent through the coils in the rooms for heating the building, and the condensation returned to the boiler. Arrangements are also made for using live steam when the engine is not running. An auxiliary engine and boiler have been purchased, and will be used for testing and experimental work. The advanced students will be required to fire the boiler and care for the engine, also to attend to the machinery. The equipment and the arrangement of this department are entirely new, and are not surpassed by that of any similar institution in this region.

The work of this department is divided into three divisions:

1st. Physics and Theoretical Mechanics.

2nd. Drawing and Designing.

3rd. Practical Mechanics.

Physics and Theoretical Mechanics begin with the Sophomore year. During this year a complete course of lectures on elementary physics will be given, fully illustrated, as far as possible, by actual experiments in the lecture room.

The Sophomores also study the materials of construction during the Fall term. Instruction will be given by lectures and reference books, and will include a critical study of minerals, metals, woods and various manufactured products which enter into buildings and machinery. During the Winter and Spring terms lectures will be given on building construction and also on mechanism. These lectures will be accompanied by exercises in the drafting rooms, and illustrated by models.

The Junior class will study trigonometry and land surveying in the Fall term. Practice will be given in farm surveying and levelling, also in plotting the maps of same. The application of trigonometry will be made in the measurement of lines, calculating areas, etc. The principles of drainage and also the law of boundaries will be explained. During the Winter and Spring terms graphical statics will be studied, including strength of materials, trusses, arches, walls, etc. This work is accompanied by practical exercises and problems in the drafting room. A course in physical laboratory work will be followed one term of this year, and a general introduction to steam and electric machinery will be given by means of lectures and text during the other two terms.

During the Senior year it is designed to study critically, the design of steam and electric machinery, also water and gas motors. The

transmission of power by various methods, together with testing of power plants of all kinds will receive proper attention.

A course of lectures on the history of architecture, also on designing will be given, and the student practiced in planning and specifying work.

At the close of the spring term a thesis will be required on some technical subject; occasional professional essays will be required during the year.

DRAWING.

During the Winter and Spring terms of the Freshman year all students take free-hand drawing. The work consists in copying from flat plates, sketching from geometric models, and later sketching from nature and from mechanical models. The student will be drilled in making free-hand working sketches, sections and elevations. The object of the work is to teach the principles that underlie the art of drawing rather than the making of artists or mere copyists.

In the Sophomore year the mechanical students have instrumental drawing and projection, and also daily practice during the Winter and Spring terms in detailing construction. This work is thoroughly practical and is intended to give a knowledge and skill in the preparation of working drawings. All working drawings will be made accurately to scale and figured. The work will be traced in ink and the application of color to working drawings taught.

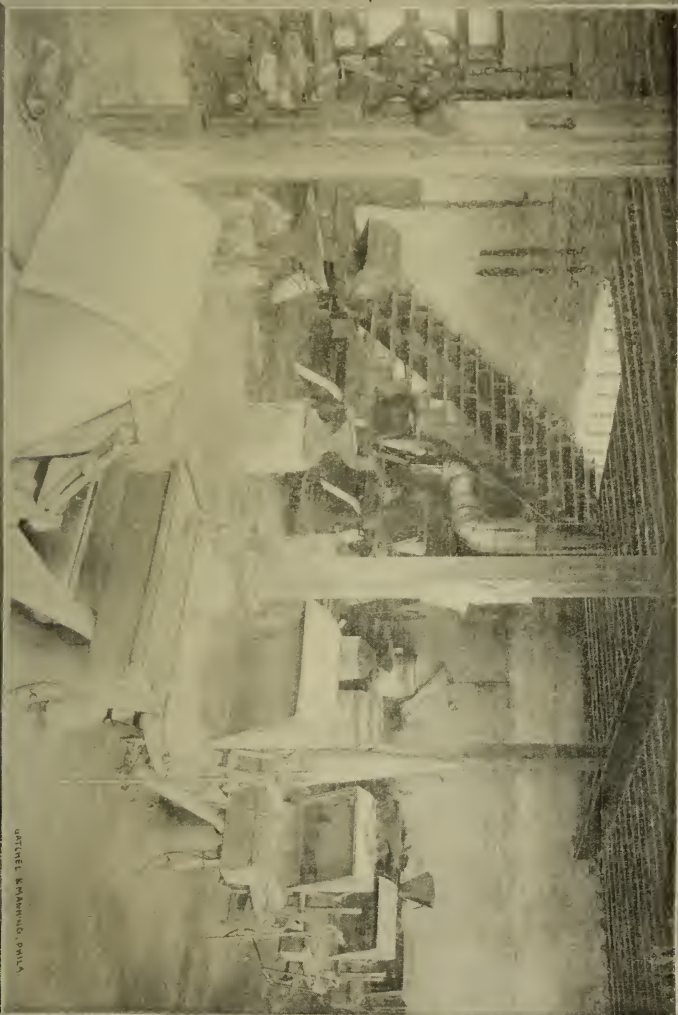
During the Junior year map making and lettering will be taken in connection with surveying. Work in architectural and machine design will be given, and problems solved will be criticised in class. The work in graphical statics will be largely done in the drafting-room, and the study of safe and economical construction will proceed together.

The Seniors in this department will make a systematic study of original designing in architecture and machinery. They will be required to submit complete plans and specifications for work and prepare contracts for same, also make out bills of material. They will also be taught blue printing and photographic copying.

PRACTICAL MECHANICS.

Work in this division consists of joinery work, wood-turning and pattern-making, forging, iron-working, and care of power plant. The Freshmen all take one term of joinery and one of forging. During the Spring Term they will apply their skill in the manufacture of useful articles, farm tools, etc. The Sophomores in the mechanical depart-

BLACKSMITH SHOP.



UTICEL, KHAMMUD, PAULA

ment continue forging in steel, tempering and welding, and the making of tools. They will also have practice in wood-turning.

The use of hand-tools in the machine shop will be thoroughly taught, and if the equipment permits, the elementary use of lathes and planers will be taught. Juniors and Seniors will have regular machine-shop practice, including the use of all kinds of modern tools. They will also have charge of the power plant and care of shafting and machines.

DEPARTMENT OF ENGLISH.

PROF. J. H. M. BUTLER.

PROF. H. H. FALKENER.

The course in this department extends through the entire four years. It is designed to acquaint the students with the essentials of English grammar, the structure of sentences, and to make them thorough English scholars.

To excite and cultivate a taste for good literature, to acquaint the students with the thoughts and writings of the best authors and to form habits of correct expression, a diligent and critical study of standard works containing master-pieces in prose and poetry, will be required of all students.

The College Library containing some of the best works in English and American literature affords splendid facilities for instruction in this department.

PREPARATORY DEPARTMENT.

Those who are unable to enter the Freshman class will receive special preparation in this department. Language lessons, reading and composition will receive careful attention. Descriptive and political geography, and arithmetic beginning with fractions will be among the other studies pursued.

Persons desiring to enter this department should be able to read intelligibly, write a legible hand and have some knowledge of fractions. This department embraces two classes.

FRESHMAN CLASS.

Careful attention is given to the study of technical grammar, the construction of sentences, reproduction of stories, capitalization, punct-

uation and letter-writing. Extracts from Irving, Longfellow, Whittier and Holmes will be used as introductory exercises to the study of American literature.

SOPHOMORE CLASS.

The Fall term begins the study of history and growth of the English language; afterwards practical rhetoric is begun; frequent practice in narrative and descriptive essays; weekly rhetorical exercises.

JUNIOR CLASS.

The work of this year begins with a brief survey of English and American literature; rhetoric as to invention; biographical studies of authors, and of events that are connected with their literary productions; logic is begun; civics and ethics will be taught with a view to thoroughly acquaint students with their obligations, to the government, and the duties they owe to their fellow-man.

SENIOR CLASS.

Select essays and orations of Webster, Calhoun, Bacon, Pitt, Fox, Macaulay, Burke and Gladstone analyzed and discussed; class-room exercises and outside work on assigned topics. Critical theses on Tennyson, Shakespeare and Milton; review.

DEPARTMENT OF MATHEMATICS.

PROF. ORLO EPPS.

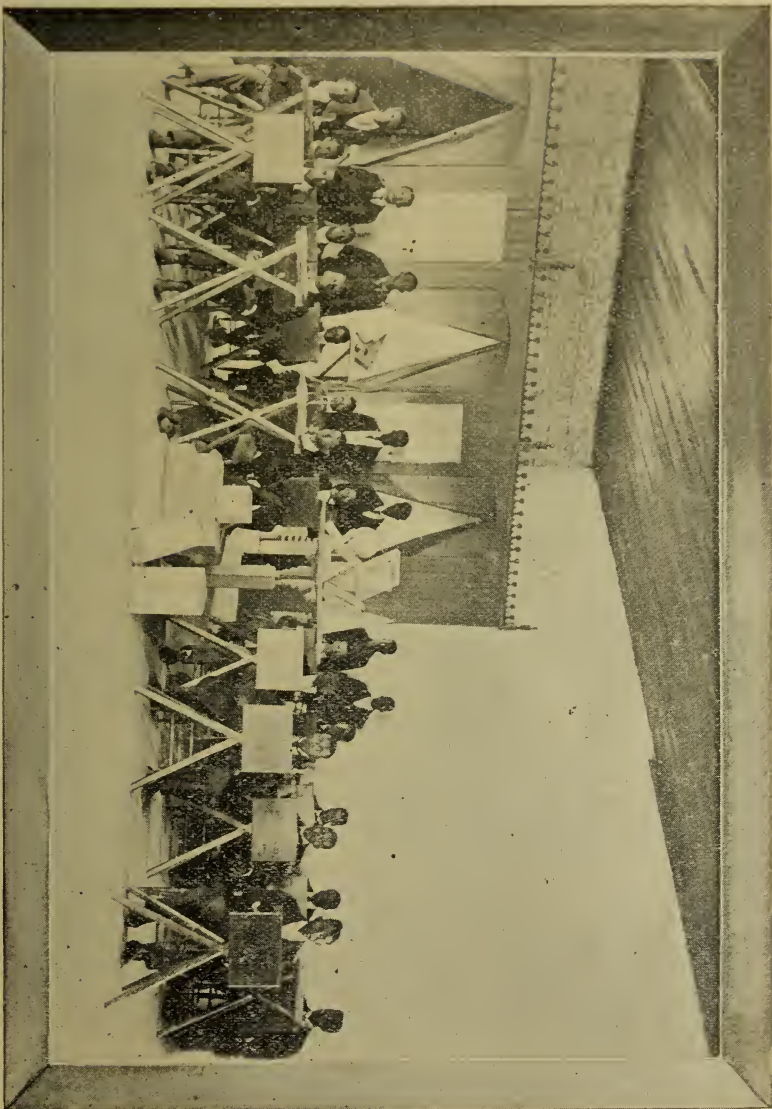
PROF. H. H. FALKENER.

The course in this department has been laid out with great care and will be strictly adhered to. The art of being rapid and accurate in computations, also the analytical powers will be developed at the same time. The Mechanical and Agricultural departments will give the student a fine field for practical problems.

As many students come so poorly prepared in arithmetic, a two-year preparatory course has been established.

The first year preparatory students will begin arithmetic at the opening of the Fall Term with a review of fractions.

The second year preparatory students will begin with percentage at the opening of the Fall Term and will complete arithmetic at the end of the Spring Term. Text-book—Milne's Standard Arithmetic.



FREE HAND DRAWING ROOM.

FRESHMAN CLASS.

Algebra is begun with the Fall Term and is completed with the Spring Term. Students are required to give the principles involved in the solution of the problems and perform the work with neatness and despatch. Text-book—Well's Academic Algebra.

SOPHOMORE CLASS.

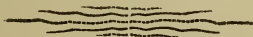
This class begins geometry at the opening of the Fall Term. The course includes plane, and solid (with special) geometry. Special attention is given to lead the students to make original demonstrations; to this end the students find the Mechanical department a very valuable adjunct in which they can make their own models and develop the power of independent reasoning.

JUNIOR CLASS.

Trigonometry and field surveying are begun with the Fall Term. The student will be taught the use of the instrument and made familiar with its workings. Great attention will be given to the practical application of these subjects.

SENIOR CLASS.

This class will begin calculus at the opening of the Fall Term and complete it with the Winter Term. During the Spring Term there will be a general review of the Science of Mathematics.



DEPARTMENT OF HISTORY.

PROF. JAS. B. DUDLEY.

It will be the purpose of this department to treat briefly, but as comprehensively as possible, in ancient and modern history of the great events which indicate the main highway of man's progress and civilization; especial attention being given by lectures and otherwise to the subject of industrial evolution. By attentive study of those historical links—the causes and effects of leading events which mark great epochs, the chronological order of general history will be presented with the purpose of making impressions upon the student's mind that will excite interest and encourage independent reading and reflection.

As this college was established and is sustained by both State and National Governments, it is under special obligations to train its students to become good and patriotic citizens, and since we must know that which we would love and to which we would be loyal, it will be deemed a special mission of the College to give the history of North Carolina and of the United States as thorough study as possible.

The course begins in the Preparatory Department with the history of North Carolina. After the student has acquired a knowledge of his own State he passes in the Freshman Class to the history of the United States. In the more advanced classes he takes up the study of European and Oriental civilization, Ancient and Modern history. Throughout the entire course the choice selections of historical works contained in the College Library will prove a valuable auxiliary to the instructor in awakening interest and stimulating desire for historical knowledge; and students will be encouraged to avail themselves of the facilities at hand.

ADMISSION OF STUDENTS.

The requirements for admission into the A. & M. College, which is the complement of the public schools of the State for the colored people, have been regulated by the average scholarship of the advanced students of these schools.

Applicants not under 14 years of age and in good health, must understand fairly well the forms and rules of the English language, must be familiar with arithmetic, and have a knowledge of geography and history.

A student who is unable to enter the Freshman class will be allowed to enter the Preparatory department which will prepare him to pass the required examination for admission into the higher class.

Any student wishing to enter the Sophomore or any higher class, omitting the earlier classes, will be required to stand such examination as will show ample preparation for such higher class as he may wish to enter.

A student otherwise qualified may be allowed to elect certain studies from the regular courses already provided in the College if no inconvenience result to the regular classes.

Students are classified as "free tuition" and "pay" students. The number of "free tuition students" for each county is fixed by the Board of Trustees. For further information on this subject address the President of the College.

FREE TUITION OR COUNTY STUDENTS.

A limited number of students from each county will be allowed free-tuition. *A student in this class must procure from the Examiner of his county a certificate setting forth that the applicant has passed an examination equivalent to that required of a second-grade teacher. No special examination will be prepared by the College for such students; a person desiring admission as a county student should exhibit this statement to the Examiner for information and pay such fee as may be required for the examination.* Each county will be allowed one county student and more according to its colored population. The number of free-tuition students accredited to a county if not exhausted by September 1st, will be transferred to counties where the applications are in excess of the accredited quota. For this reason persons who have passed the examination should at once forward their certificates to the President and signify their intention of attending at the beginning of the Fall Term. For further information on this subject, address the President.

DIVISION OF SESSION.

The session is divided into three terms—Fall, Winter and Spring. All students found deficient at end of Fall Term will be sent home.

SUPPLIES.

Each student must bring with him a hair-brush and a comb, a change of sheets and pillow-cases, and two counterpanes, plainly marked.

All students must furnish oil, lamp-chimneys, books, stationery, drawing-pencils, thumb-tacks, and medicines. Arrangements will be made for these at lowest cost.

Each student must keep on deposit \$1.00, to cover any charge which may be made against him for damage done.

TERMS:

MONTHLY PAYMENTS.

Tuition per month of four weeks	\$1.00
Board “ “ “ “ “	5.00
Lodging, use of room, bedding, &c. per month of four weeks .	1.00

SPECIAL PAYMENTS.

Instruction on piano lesson a week per month	1.00
For use of piano per session	1.00
Incidental deposit	1.00
Medical Fee	1.00

Instruction in vocal music will be given free.

THESE CHARGES ARE PAYABLE STRICTLY IN ADVANCE.

Students at the time of the advance payments will be given tickets which will admit them to recitation, dining-rooms and work-shops.

SCHOOL MONTHS AND PAY DAYS.

October 4th, 1897—Pay day for month ending November 1st, 1897, amount due, including incidental and medical fee	\$9.00
November 1st, 1897—Pay day for month ending November 29th, 1897, amount due	7.00
November 29th, 1897—Pay day for month ending December 27th, 1897, amount due	6.90
December 27th, 1897—Pay day for month ending January 24th, 1898, amount due	6.70
January 24th, 1898—Pay day for month ending February 11st, 1898, amount due	7.00
February 21st, 1898—Pay day for month ending March 21st.	



ORTWELL & MANNING PHOS.

NORTH DORMITORY.

1898, amount due	7.00
March 21st, 1898—Pay day for month ending April 18th, 1898, amount due	7.00
April 18th, 1898—Pay day for month ending May 16th, 1898 amount due	7.00
May 16th, 1898—Pay day for remainder of session ending May 26th, 1898	2.75

Free tuition or County students will pay one dollar per month less than the above, except at the following: December payment, ninety cents less; January payment, seventy cents less, and at May payment, sixty-five cents less.

Board, lodging, tuition, medical and incidental fees must be paid to the Bursar, before the rooms are assigned and tickets of admission to recitation rooms, dining hall and work shops are issued.

Students' laundry will be done in the College for fifty cents each per month of four weeks. Girls will be allowed to do their own laundry work.



STUDENTS.

SOPHOMORE—(CLASS OF '99.)

Best, C. H	Snow Hill
Cheek, W. T. C	Warrenton
Cunningham, I. S	Hillsboro
Curtis, A. W	West Raleigh
Falkener, Epps L	Warrenton
Holt, James E	Mebane
Joyner, James M	Tarboro
Mebane, A. L	Greensboro
Robinson, P. E	West Raleigh
Thalley, J. F. M	Marion
Watson, Adam	Grove Hill

FRESHMAN—(CLASS OF 1900.)

Bailey, N. A	Evans
Brinkley, R. H	Wilmington
Brown, L. Benj	Wilmington
Carter, Alma J	Reidsville
Cotton, Della C	Greensboro
Cowan, A. R	Taylor's Bridge
Donnell, Minnie	Greensboro
Davis, Martha W	Rocky Mount
Foy, Virginia M	Greensboro
Friday, Britton	Blue Field, W. Va
Fuller, H. F	Greensboro
Gray, R. C	Greensboro
Grimes, Frances E	Asheville
Green, Jno. H	Wilmington
Havens, Jno. T	New Bern
Hammond, James O	Taboro
Jeffreys, Lawrence B	Vincent
Joyce, J. C	Salem
Lanier, A. J	Salem
Little, N. H	Little's Mill
Morrow, J. M	Greensboro
Moore, R. D	Wilmington
Neil, J. P	Winston

Parker, H. D.	Beaufort
Plummer, E. S.	Warrenton
Pritchett, Mamie O.	Greensboro
Quick, James R.	Laurinburg
Richardson, R. W.	Wilmington
Robinson, C. D.	Mt. Gilead
Simmons, R. C.	Aberdeen, Miss
Short, Hattie H.	Greensboro
Thomas, E. L.	Wadesboro
Walker, J. H.	Wilmington
Williams, R. L.	Warrenton
Wright, C. Annie.	Danville, Va
Yeates, Bertha E.	Greensboro

PREPARATORY DEPARTMENT.

Bryant, C. L.	Wilmington
Caldwell, E. B.	Chapel Hill
Core, C. E.	Trinity
Cotten, Lilian B.	Greensboro
Dunn, John.	Raleigh
Edwards, G. A.	Bynum
Fulton, I.	Mt. Airy
Foust, J. D.	Oaks
Gray, Roxanna T.	Greensboro
Hepler, Thomas.	Salem
Holt, Mary F.	Mebane
Holley, Carrie E.	Greensboro
Hogans, Alice.	Greensboro
Hudson, James E.	Strieby
Jones, John F.	Mebane
Lockett, Fannie E.	Greensboro
Long, A.	Greensboro
McAdam, J. E.	Mebane
Miller C. H.	Wilmington
Packenham, Thomas W.	Mebane
Patillo, Lulu B.	Greensboro
Pritchett, Nannie L.	Greensboro
Quick, E.	Wilmington
Shaw, Geneva R.	Greensboro
Smitherman, W. A.	Asheboro
Toomer, R. J.	Wilmington
Williams, A. E.	Greensboro

Williams, G. N.	Wilmington
Witherspoon, T. H.	Raleigh

SPECIAL STUDENTS.

Edwards, R. L.	Bynum
Goldston, E. H.	Siler City

MEDALS AND PRIZES.

THE OCCONEECHEE MEDAL—By Col. J. S. Carr, for proficiency in Agriculture, to Austin W. Curtis

THE POST MEDAL—By Mr. James F. Post, Jr., for proficiency in Mechanics, to Adam Watson.

THE HOOD MEDAL—By Rt. Rev. J. W. Hood, D. D., LL. D., for proficiency in English, to John T. Haven.

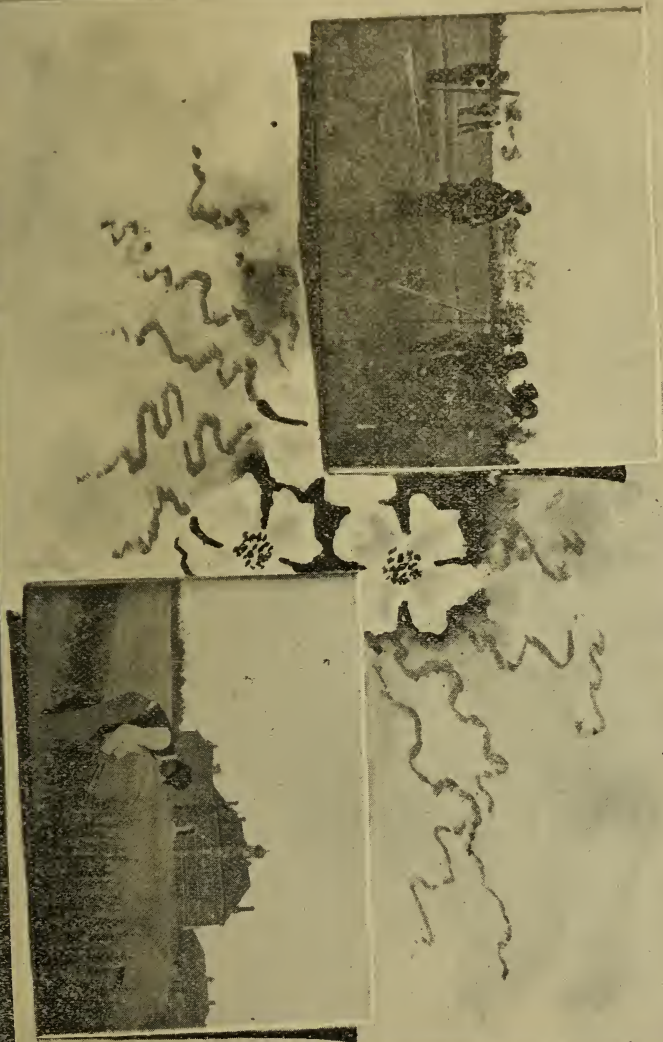
THE FIRST PRIZE—By the College, rhetorical contest, to Miss Roxanna T. Gray.

THE SECOND PRIZE—By the College, rhetorical contest, to Roscoe C. Simmons.



PRACTICE.

WORK.



GENERAL INFORMATION.

Students desiring assistance in defraying expenses, as far as possible will be allowed to work at the rate of 7½ cents per hour, for which they can get credit each month at the time of their advance payment.

Students, upon their arrival in Greensboro, must report immediately to the President for a permit for examination and registration.

Each student, upon applying for admission, will be required to sign a pledge, binding obedience to the rules of the College. Parents and guardians are particularly requested to examine our rules and regulations, to be found on another page of this catalogue.

It will be the purpose of the College to maintain a high moral tone and to develop a broad, tolerant religious spirit among the students. In this connection there is a well organized Y. M. C. A. branch, which meets twice a week for song and praise. A special service will be conducted in the chapel each Sunday by pastors representing the different denominations of the city. All religious services will be free from sectarianism.

On the payment of the required one dollar annual fee, each student will receive the careful attention of the College physician. By this method the best medical advice is secured at a minimum cost. The physician will make visits daily or oftener to students confined to their rooms.

There are two flourishing literary societies, which greatly stimulate the development of character and the training of the intellect. These offer facilities for practice in debate, oratory, declamation and essay writing; the members become practically familiar with parliamentary law and usage. While the Faculty, by presence and advice, will seek to encourage these societies, membership will be optional. The Faculty will also encourage the organization of Technical societies, in which special subjects, in connection with agriculture, mechanics and chemistry, will be considered in a manner conducive to independent thought and research.

Special attention will be given to vocal and instrumental music.

Students whose parents or guardians do not live in Greensboro or its immediate vicinity, will be required to room and board in the College—except when the consent of the Faculty has been secured by written request of the parent or guardian. Consent will only be given, however, when the judgment of the Faculty directs that it can be done with safety, as the College cannot, nor does it desire, to

wholly rid itself of the responsibility out of school hours of the conduct of students who do not room and board in the College.

The industrial part of each course of instruction applies to all students taking a general course, *and none will be excused therefrom.*

Efforts will be put forth to fully equip the armory and to establish our military department by the opening of the fall term.

All communications relating to the College, should be addressed to "The President of the Agricultural and Mechanical College for the Colored Race, Greensboro, North Carolina."

ORGANIZATIONS.

To stimulate interest in special subjects of study, to teach the power and advantage of organized efforts and to develop and cultivate ability for self-government, the Faculty has encouraged the organization of societies along the special lines of their work. Membership in these societies is left optional and, while the management is left almost entirely to the students, a constant supervision is maintained by the President of the College and some members of the Faculty.

THE WISE LITERARY SOCIETY

OFFICERS.

A. W. CURTIS	President
_____	Vice-President
J. M. JOYNER	Secretary
CHAS. L. BRYANT	Treasurer

The society was organized in the spring of 1896 for the purpose of giving students an opportunity to practice public speaking, declamation and essay writing. It is general in its purposes and each student is encouraged to become a member and partake of the benefits of its weekly meetings.

THE WHITTIER CLUB.

OFFICERS.

J. H. M. BUTLER, A. M.,	President
A. W. CURTIS	First Vice-President
J. F. M. THALLEY	Second Vice-President
P. E. ROBINSON	Secretary and Treasurer

This society was organized in the Winter Term of '96-'97 under the

supervision of the English Department. Its object is to encourage the study of American authors and to cultivate a taste for literature. Membership has been restricted to students of the Sophomore Class.

THE A. & M. COLLEGE HISTORICAL ASSOCIATION.

OFFICERS.

A. W. CURTIS	President
R. C. SIMMONS	Vice-President
ROBT. H. RICHARDSON	Secretary and Treasurer

This society was organized near the beginning of the present year (1897) under the supervision of the Department of History. The study of famous characters and historical events, the preparation and discussion of important subjects of historic interest, the study and discussion of incidents and circumstances suggested by celebrated historical quotations are features of the monthly meetings of this association. Membership is open to all but students of the Preparatory Department.

THE Y. M. C. A.

OFFICERS.

Adam Watson	President
J. R. Quick	Vice President
P. E. Robinson	Recording Secretary
A. W. Curtis	Corresponding Secretary
Thomas Pakenham	Treasurer

The very high moral tone and Christian sentiment which pervade the Student body of the College are largely due to impressions and influences emanating from this Association. Its semi-weekly meetings are well attended; in them a proper veneration for God and His works is urged upon the attention of the Students. Most of the Students are professed Christians and their general deportment during the past session has indicated that they are practicing their Christian professions in their daily dealings with the Faculty and their fellow-Students.

THE A. & M. C. ATHLETIC ASSOCIATION.

OFFICERS.

A, W. CURTIS	President
R. H. BRINKLEY	Vice-President
P. E. ROBINSON	Secretary
A. J, LANIER	Treasurer

Most of the diversions in which the Students engage are under the

directions of this Association. An interesting series of base ball games was played last session. These out door sports are beneficial to the Students and helpful to College discipline. They are allowed in no way to interrupt the serious work of the institution.

LOCATION.

It is most fortunate for the colored people that their A. & M. College was located in the prosperous and growing town of Greensboro. Its unsurpassed railroad facilities place it in rapid and direct communication with nearly all sections and make it the most accessible town in the State. With the North Carolina Railroad, the Northwestern North Carolina Railroad, the main line of the Southern Railway and the Cape Fear and Yadkin Valley Railway, Greensboro is a railroad centre with twenty-six daily train arrivals and departures which add greatly to the comfort and convenience of students and the travelling public generally.

Possibly nowhere in the State do as kindly inter-racial feelings exist and as friendly an attitude on the part of the white citizens towards Negro education obtain as among the liberal-minded people of Greensboro. On every hand local sentiment is found to be kind, encouraging and responsive. Parents, educators and public men generally can possibly more confidently appreciate the friendly and liberal feeling prevailing in Greensboro, by reverting to the significant fact that when the question of subscribing \$8,000 for the location of this institution in Greensboro was submitted to its citizens but one man voted in opposition thereto.

RELIGIOUS CULTURE.

While the college is not a denominational institution, proper attention is given to the cultivation of a broad, liberal Christian spirit. Short, devotional exercises are held morning and evening of each day, which are attended by the boarding students; at 7.45 each school morning, short, devotional exercises are attended by all students. In the direction of religious culture, in addition to these very brief meet-



CHAPEL.

ings and the fuller meetings of the Y. M. C. A., during the past session we have enjoyed a splendid series of instructive and spiritual sermons, for which we are indebted to the following named reverend gentlemen :

Rev. J. F. Lee, of the A. M. E. Z. Church.

Rev. S. H. Witherspoon, Pastor Providence Baptist Church.

Rev. Dr. J. H. Weaver, of West Market M. E. (South) Church, and Chaplain of the Greensboro Female College.

Rev. J. P. Morris, B. D., of Bennett College.

Rev. S. S. Henderson, Shiloh Baptist Church.

Rev. L. Johnson, Pastor of West Washington Street (white) Baptist Church.

Rev. S. O. Hall, Pastor of Presbyterian (white) Church.

Rt. Rev. J. W. Hood, Senior Bishop A. M. E. Z. Church.

SUMMER SCHOOL.

A Summer School for the teachers and those desiring to take brief courses in advance studies has been established by the Board of Trustees. The first annual session will begin Tuesday, July 27th, 1897, and continue three weeks.

In addition to the regular faculty, prominent and successful educators have been secured. These with the excellent facilities afforded by the College will make the Summer School of great benefit to those who will attend.

Board, Tuition and Lodging for the Session, \$10.00.

RULES AND REGULATIONS.

1. The signal for rising will be given at 6.00 A. M. Dressing and arranging rooms 6.00 to 6.30. Morning prayers 6.30 to 6.45 A. M. Study 6.45 to 8.15. Breakfast 8.15 to 8.45 A. M. Class work 8.45 A. M. to 1.00 P. M. Dinner 1.00 to 2.00 P. M. Class and Practice Work 2.00 to 4.00 P. M. Recreation 4.00 to 6.00 P. M. Supper 6.00 to 6.30 P. M. Study 6.30 to 9.00 P. M. Prayers 9.00 to 9.30 P. M. Retiring signal 9.45 P. M. Lights out 10.00 P. M.

2. Strict attention must be given to cleanliness and deportment. Each student is required to keep his room in good order and subject to inspection at any time ; and to conduct himself at all times in a gentlemanly manner. To attain and maintain a high moral standard is one of the prime objects of this institution and any student known to have vicious habits or to indulge in vulgar language will be deemed an unfit associate and expelled from the College.

3. Students shall promptly attend prayers and chapel services, and all specified recitations, class and instruction work. Tardiness, or absence from these duties will, when not excused, subject a student to demerits. Loitering within the main building by the students is prohibited.

4. Students who interrupt the quiet and order of College life by noises in or near the buildings ; or who commit intentional damage to College property ; or who make nuisance by throwing slops near the buildings or otherwise, will not be allowed to room on the grounds.

5. Students who persistently absent themselves from chapel and class work, or who persistently neglect College duties ; or who engage in drinking, card playing or other vices ; or who absent themselves from College grounds contrary to the Rules and Regulations are not regarded as desirable companions for industrious and meritorious students, and will not be allowed to continue as students in the College.

6. Students must attend some Church on Sunday morning. Parents and guardians will designate to the President of the College what Churches they wish their children or wards to attend.

7. No student will be allowed to have upon his person, in his room, or in the College buildings, or upon or in the neighborhood of the College grounds, any deadly weapons.

8. The use of tobacco, spirituous, malt or vinous liquors in any form by the students is prohibited on, or in the neighborhood of the College grounds, or in the buildings. Students are forbidden to enter any disreputable house, including places where intoxicants are sold, while absent from the College grounds.

9. Students are forbidden to go upon the roofs of buildings, or to enter or depart from buildings through windows, and they are also forbidden to enter the kitchen, store-rooms or pantry. Students are prohibited from entering the dining-room except at meal time.

10. Strict discipline will be enforced in the dining-room during meals. Students guilty of ill-mannered conduct in act or speech will be removed from the dining-room and punished for insubordination. It is made the duty of the Matron to observe students during meals ;

instruct them in table manners, and report to the President of the Board of Trustees and also to the President of the College, bad conduct of any kind or nature in the dining-room, with the name or names of the offending student or students.

11. It is forbidden students to receive visitors in the dormitory building. At all times the students shall deport and express themselves respectfully towards the Faculty and every member of it, and also towards their fellow students. Any deficiency in this particular will be punished. A student failing to respond to reasonable demands made by any member of the Faculty shall be held guilty of contempt of authority and punished accordingly. No student will be retained after he has received one hundred demerits in one year.

By order of

THE BOARD OF TRUSTEES.



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